



# NCHNAP683 Digital and Technology Solutions Synoptic Project and EPA Course Descriptor

Course Title	Digital and Technology Solutions Synoptic Project and EPA	Faculty	EDGE Innovation Unit (London)
Course code	NCHNAP683	Course Leader	Dr Yu-Chun Pan
Credit points	60	Teaching Period	This course will typically be delivered over a 6-week period.
FHEQ level	6	Date approved	June 2020
Core/Optional	Core		
Prerequisites	None		

## Course Summary

This course is a digital technology solutions project, conceived and executed by the learner in an external organisation. The project will demonstrate a high-level of IT technical knowledge, aligned to achieving organisational goals and enabling effective institutional change. The project may focus on any element of digital technology, technical solutions, process improvement or managerial, but must align to the learner's specialism: Business Analyst, IT Consultant, Data Analyst, Software Engineer or Cyber Security Specialist. The project will culminate with a dissertation and presentation. The dissertation will combine research with organisational needs and project management and will enable the learner to deepen his or her understanding of a particular area of digital technology solutions. For more detailed information see the end point assessment guide ([EPA guide](#)) for the Digital and Technology Solutions Professional [Integrated Degree] apprenticeship.

## Course Aims

- Give learners the opportunity to carry out independent research and in-depth analysis in digital technology solutions.
- Train learners to write up their findings and ideas clearly, coherently and to a high-professional standard.

- Train learners to present their own arguments logically and competently, to engage specialist and non-specialist stakeholders.

## Learning Outcomes

On successful completion of the course, learners will be able to:

### Knowledge and Understanding

- K1c Reflect, in depth, on the body of academic knowledge in a particular specialist field of Digital Technology Solutions.
- K2c Understand how to systematically apply critical analysis and the appropriate digital technology solutions to achieve a successful outcome.

### Subject Specific Skills

- S1c Apply project delivery techniques and appropriate tools to plan, organise and manage resources to successfully run the project.
- S2c Communicate and disseminate project findings through high impact, professional media (written and oral), tailored to specialist and non-specialist audiences.

### Transferable and Professional Skills

- T1ci Use academic and industry-specialist literature to build an argument and carry out sophisticated analysis of the chosen topic.
- T1cii Utilise an advanced level of technical proficiency of written English, while effectively applying scholarly terminology, to critically evaluate, analyse and make judgements and apply these appropriately to a range of diverse contexts.
- T2c Present findings concisely and clearly.
- T3c Make meaningful conclusions on the basis of a long period of independent study.

## Teaching And Learning

The contact hours on this course are formed predominantly of supervisory meetings, typically 4 x 1 hour.

Learners are expected to carry out independent research into the topic. Readings should include a mix of books, journal articles, policy papers and other relevant documents, depending on the topic and the approach taken in the dissertation.

Course information and supplementary materials are available on the College's Virtual Learning Environment (VLE).

Learners are required to attend and participate in all the formal and timetabled sessions for this course. Learners are also expected to manage their directed learning and independent study in support of the course.

## Assessment

### Formative

Learners will be formatively assessed during the course by means of set assignments. These will not count towards the final degree but will provide students with developmental feedback.

### Summative

Assessment will be in two forms:

AE	Assessment Type	Weighting	Online submission	Duration	Length
1	Dissertation	70%	Yes	-	8000 words +/- 10%
2	Presentation	30%	Yes	30 mins +/- 10%	-

## Feedback

Learners will receive formal feedback in a variety of ways: written (via email or VLE correspondence) and indirectly through online discussion groups. Learners will also attend a formal meeting with their Academic Mentor (and for apprentices, including their Line Manager). These bi or tri-partite reviews will monitor and evaluate the learner's progress.

Feedback is provided on summative assessed assignments and through generic internal examiners' reports, both of which are posted on the VLE.

## Indicative Reading

Note: Comprehensive and current reading lists for courses are produced annually in the Course Guide or other documentation provided to learners; the indicative reading list provided below is used as part of the approval/modification process only.

### Books

- Walliman, N., (2004), *Your Undergraduate Dissertation: The Essential Guide for Success*, London: Sage.
- Swetnam, D., (2001), *Writing Your Dissertation: How to Plan, Prepare and Present Your Work Successfully*, Begbroke: How To Books Ltd.

## Journals

Learners are encouraged to consult relevant journals on their relevant specialism.

## Electronic Resources

Learners are encouraged to consult relevant electronic resources on their relevant specialism.

## Indicative Topics

Learners will study the following topics:

- How to solve a technological problem based on an organisation's problem
- Managing technology projects to a successful outcome
- Using real-world data and scenarios

<b>Title: NCHNAP683 Digital and Technology Solutions Synoptic Project and EPA</b>					
<b>Approved by: Academic Board</b>					
<b>Location: Academic Handbook/Programme specifications and Handbooks/ Undergraduate Apprenticeship Programmes/BSc (Hons) Digital &amp; Technology Solutions Programme Specification/Course Descriptors</b>					
<b>Version number</b>	<b>Date approved</b>	<b>Date published</b>	<b>Owner</b>	<b>Proposed next review date</b>	<b>Modification (As per AQF4) &amp; category number</b>
2.2	September 2022	September 2022	Dr Yu-Chun Pan	June 2025	Category 1: Corrections/clarifications to documents which do not change approved content.
2.1	May 2022	May 2022	Scott Wildman	June 2025	Category 1: Corrections/clarifications to documents which do not change approved content.
2.0	January 2022	April 2022	Scott Wildman	June 2025	Category 3: Changes to Learning Outcomes
1.0	June 2020	June 2020	Scott Wildman	June 2025	